Cuisong Zhou

List of Publications by Citations

36 papers	838 citations	15 h-index	28 g-index
37 ext. papers	977 ext. citations	6.9 avg, IF	3.91 L-index

#	Paper	IF	Citations
36	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. *Journal of the American Chemical Society*, **2015**, 137, 4900-3	16.4	234
35	Detection of oncoprotein platelet-derived growth factor using a fluorescent signaling complex of an aptamer and TOTO. *Analytical and Bioanalytical Chemistry*, **2006**, 384, 1175-80	4.4	67
34	Development of a fast and sensitive glucose biosensor using iridium complex-doped electrospun optical fibrous membrane. *Analytical Chemistry*, **2013**, 85, 1171-6	7.8	57
33	Target-catalyzed autonomous assembly of dendrimer-like DNA nanostructures for enzyme-free and signal amplified colorimetric nucleic acids detection. *Biosensors and Bioelectronics*, **2016**, 86, 985-989	11.8	43
32	Aptamer CaCO3 nanostructures: a facile, pH-responsive, specific platform for targeted anticancer theranostics. *Chemistry - an Asian Journal*, **2015**, 10, 166-71	4.5	37
31	Nucleic acid based logical systems. *Chemistry - A European Journal*, **2014**, 20, 5866-73	4.8	34
30	Electrospun Ru(bpy)(3)(2+)-doped nafion nanofibers for electrochemiluminescence sensing. *Analyst, The*, **2010**, 135, 1004-9	5	30
29	Ultrasensitive Visual Detection of HIV DNA Biomarkers via a Multi-amplification Nanoplatform. *Scientific Reports*, **2016**, 6, 23949	4.9	28
28	Detection of Circulating Tumor Cells in Breast Cancer Patients by Nanopore Sensing with Aptamer-Mediated Amplification. *ACS Sensors*, **2020**, 5, 2359-2366	9.2	26
27	Target-triggered autonomous assembly of DNA polymer chains and its application in colorimetric nucleic acid detection. *Journal of Materials Chemistry B*, **2016**, 4, 3191-3194	7.3	26
26	A water-soluble C60-porphyrin compound for highly efficient DNA photocleavage. *Chemical Communications*, **2011**, 47, 2982-4	5.8	24
25	Highly Selective, Naked-Eye, and Trace Discrimination between Perfect-Match and Mismatch Sequences Using a Plasmonic Nanoplatform. *Analytical Chemistry*, **2018**, 90, 7371-7376	7.8	24
24	Self-assembly of DNA nanoparticles through multiple catalyzed hairpin assembly for enzyme-free nucleic acid amplified detection. *Talanta*, **2018**, 179, 641-645	6.2	22
23	Diameter-controlled synthesis of polyaniline microtubes and their electrocatalytic oxidation of ascorbic acid. *Journal of Materials Chemistry B*, **2014**, 2, 4122-4129	7.3	18
22	Active DNA unwinding and transport by a membrane-adapted helicase nanopore. *Nature Communications*, **2019**, 10, 5083	17.4	16
21	A rapid and colorimetric biosensor based on GR-5 DNAzyme and self-replicating catalyzed hairpin assembly for lead detection. *Analytical Methods*, **2020**, 12, 2215-2220	3.2	15
20	One-step sensitive thrombin detection based on a nanofibrous sensing platform. *Journal of Materials Chemistry B*, **2019**, 7, 5161-5169	7.3	14

19	Self-Replication-Assisted Rapid Preparation of DNA Nanowires at Room Temperature and Its Biosensing Application. *Analytical Chemistry*, **2019**, 91, 3043-3047	7.8	13
18	A rapid room-temperature DNA amplification and detection strategy based on nicking endonuclease and catalyzed hairpin assembly. *Analytical Methods*, **2019**, 11, 2537-2541	3.2	13
17	An electrochemiluminescence amplification strategy: a synergistic effect of electrospun Ru(bpy)32+/CNT/ionic liquid composite nanofibers. *Journal of Materials Chemistry C*, **2014**, 2, 9949-9956	7.1	13
16	Single-molecule investigation of human telomeric G-quadruplex interactions with Thioflavin T. *Chinese Chemical Letters*, **2018**, 29, 531-534	8.1	12
15	Plasmonic nanoplatform for point-of-care testing trace HCV core protein. *Biosensors and Bioelectronics*, **2020**, 147, 111488	11.8	11
14	Rapid and colorimetric detection of nucleic acids based on entropy-driven circuit and DNAzyme-mediated autocatalytic reactions. *Analytical Methods*, **2020**, 12, 2779-2784	3.2	9
13	An enhanced chemiluminescence bioplatform by confining glucose oxidase in hollow calcium carbonate particles. *Scientific Reports*, **2016**, 6, 24490	4.9	9
12	The self-assembled Ru(bpy)3(PF6)2 nanoparticle on polystyrene microfibers and its application for ECL sensing. *Analyst, The*, **2013**, 138, 6171-6	5	7
11	Insight into How Telomeric G-Quadruplexes Enhance the Peroxidase Activity of Cellular Hemin. *Chemistry - an Asian Journal*, **2018**, 13, 1805	4.5	5
10	Electrochemiluminescent Chiral Discrimination with a Pillar[5]arene Molecular Universal Joint-Coordinated Ruthenium Complex. *Organic Letters*, **2021**, 23, 3885-3890	6.2	5
9	Real-time sensing of neurotransmitters by functionalized nanopores embedded in a single live cell.. *Molecular Biomedicine*, **2021**, 2, 6	3.1	5
8	Simultaneous Discrimination of Single-Base Mismatch and Full Match Using a Label-Free Single-Molecule Strategy. *Analytical Chemistry*, **2018**, 90, 8102-8107	7.8	4
7	One-step fast and label-free imaging array for multiplexed detection of trace avian influenza viruses. *Analytica Chimica Acta*, **2021**, 1171, 338645	6.6	4
6	An electrospun fibrous platform for visualizing the critical pH point inducing tooth demineralization. *Journal of Materials Chemistry B*, **2019**, 7, 4292-4298	7.3	3
5	An enzyme-free and label-free visual sensing strategy for the detection of thrombin using a plasmonic nanoplatform. *Analyst, The*, **2020**, 145, 2219-2225	5	3
4	A label-free fluorescent biosensor based on a catalyzed hairpin assembly for HIV DNA and lead detection. *Analytical Methods*, **2021**, 13, 2391-2395	3.2	3
3	Early Monitoring Drug Resistant Mutation T790M with a Two-Dimensional Simultaneous Discrimination Nanopore Strategy. *Analytical Chemistry*, **2020**, 92, 8867-8873	7.8	2
2	High-fidelity biosensing of dNTPs and nucleic acids by controllable subnanometer channel PaMscS.. *Biosensors and Bioelectronics*, **2021**, 200, 113894	11.8	1

1 A designed locked nucleic acid-based nanopore for discriminating ctDNA and its coexisting analogue ncDNA. *Chinese Chemical Letters*, **2020**, 31, 172-176 8.1 1